

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 07-063605

(43) Date of publication of application : 10.03.1995

(51) Int.Cl.

G01H 17/00

G01M 19/00

G01N 29/14

(21) Application number : 05-212602

(71) Applicant : KOYO SEIKO CO LTD
NIPPON STEEL CORP

(22) Date of filing : 27.08.1993

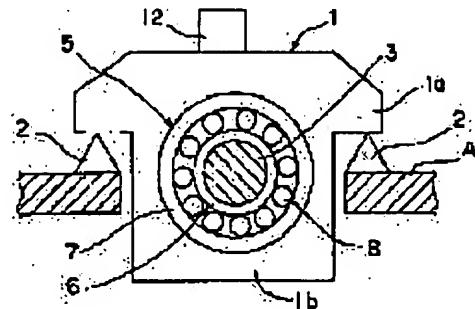
(72) Inventor : CHITOKU MINORU
NAKANO SHIRO
SUZUKI NOBUYA
DOI HIROYUKI

(54) DEVICE FOR DIAGNOSING ABNORMALITY OF BEARING FOR ROLLING ROLL

(57) Abstract:

PURPOSE: To provide the title device capable of widening loading range of a rolling roll on a bearing for the rolling roll in time of a diagnosis and capable of broadening a detection range of the bearing abnormality.

CONSTITUTION: The device comprises an AE sensor 12 provided to a bearing box 1 for receiving a bearing 5 for a rolling mill installed in the rolling roll 3, bearing box supporting members 2 for supporting shoulder parts 1a of the bearing box so that the region, of the shaft box 1, vertically downward of the rolling roll 3 can be bent, given the load of the rolling roll 3, and an abnormality discriminating means for diagnosing the abnormality of the bearing 5 by comparing an AE signal from the AE sensor 12 with a fixed reference value.



BEST AVAILABLE COPY

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office